

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/706,877  
Source: IFND  
Date Processed by STIC: 10-07-2005

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 10/07/2005

PATENT APPLICATION: US/10/706,877

TIME: 11:11:12

Input Set : N:\Crf3\RULE60\10706877.raw.txt

Output Set: N:\CRF4\10062005\J706877.raw

## SEQUENCE LISTING

```

1 (1) GENERAL INFORMATION:
2     (i) APPLICANT: Fenteany, Gabriel
3             Jamison, Timothy F.
4             Schreiber, Stuart
5             Standaert, Robert F.
6     (ii) TITLE OF INVENTION: LACTACYSTIN ANALOGS
7     (iii) NUMBER OF SEQUENCES: 17
8     (iv) CORRESPONDENCE ADDRESS:
9             (A) ADDRESSEE: Fish & Richardson P.C.
10            (B) STREET: 225 Franklin Street
11            (C) CITY: Boston
12            (D) STATE: MA
13            (E) COUNTRY: USA
14            (F) ZIP: 02110-2804
15     (v) COMPUTER READABLE FORM:
16            (A) MEDIUM TYPE: Floppy disk
17            (B) COMPUTER: IBM PC compatible
18            (C) OPERATING SYSTEM: PC-DOS/MS-DOS
19            (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
20     (vi) CURRENT APPLICATION DATA:
C--> 21            (A) APPLICATION NUMBER: US/10/706,877
C--> 22            (B) FILING DATE: 12-Nov-2003
23     (vii) PRIOR APPLICATION DATA:
W--> 24            (A) APPLICATION NUMBER: US/09/924,993
25            (B) FILING DATE: 08-Aug-2001
W--> 26            (A) APPLICATION NUMBER: US/08/466,468
27            (B) FILING DATE: 06-JUN-1995
W--> 28            (A) APPLICATION NUMBER: US 08/421,583
29            (B) FILING DATE: 12-APR-1995
30     (viii) ATTORNEY/AGENT INFORMATION:
31            (A) NAME: Freeman, John W.
32            (B) REGISTRATION NUMBER: 29,066
33            (C) REFERENCE/DOCKET NUMBER: 00246/197002
34     (ix) TELECOMMUNICATION INFORMATION:
35            (A) TELEPHONE: 617/542-5070
36            (B) TELEFAX: 617/542-8906
37            (C) TELEX: 200154
38 (2) INFORMATION FOR SEQ ID NO: 1:
39     (i) SEQUENCE CHARACTERISTICS:
40            (A) LENGTH: 15 amino acids
41            (B) TYPE: amino acid
42            (C) STRANDEDNESS: Not Relevant

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```

43         (D) TOPOLOGY: linear
44     (ii) MOLECULE TYPE: protein
45     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
46     Thr Thr Thr Leu Ala Phe Lys Phe Arg His Gly Gly Ile Ile Ala
47     1             5             10             15
49 (2) INFORMATION FOR SEQ ID NO: 2:
50     (i) SEQUENCE CHARACTERISTICS:
51         (A) LENGTH: 15 amino acids
52         (B) TYPE: amino acid
53         (C) STRANDEDNESS: Not Relevant
54         (D) TOPOLOGY: linear
55     (ii) MOLECULE TYPE: protein
56     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
57     Thr Thr Thr Leu Ala Phe Lys Phe Arg His Gly Val Ile Val Ala
58     1             5             10             15
60 (2) INFORMATION FOR SEQ ID NO: 3:
61     (i) SEQUENCE CHARACTERISTICS:
62         (A) LENGTH: 15 amino acids
63         (B) TYPE: amino acid
64         (C) STRANDEDNESS: Not Relevant
65         (D) TOPOLOGY: linear
66     (ii) MOLECULE TYPE: protein
67     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
68     Thr Thr Thr Leu Ala Phe Lys Phe Gln His Gly Val Ile Ala Ala
69     1             5             10             15
71 (2) INFORMATION FOR SEQ ID NO: 4:
72     (i) SEQUENCE CHARACTERISTICS:
73         (A) LENGTH: 15 amino acids
74         (B) TYPE: amino acid
75         (C) STRANDEDNESS: Not Relevant
76         (D) TOPOLOGY: linear
77     (ii) MOLECULE TYPE: protein
78     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
79     Thr Thr Thr Leu Ala Phe Arg Phe Gln Gly Gly Ile Ile Val Ala
80     1             5             10             15
82 (2) INFORMATION FOR SEQ ID NO: 5:
83     (i) SEQUENCE CHARACTERISTICS:
84         (A) LENGTH: 15 amino acids
85         (B) TYPE: amino acid
86         (C) STRANDEDNESS: Not Relevant
87         (D) TOPOLOGY: linear
88     (ii) MOLECULE TYPE: protein
89     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
90     Thr Thr Thr Val Gly Ile Thr Leu Lys Asp Ala Val Ile Met Ala
91     1             5             10             15
93 (2) INFORMATION FOR SEQ ID NO: 6:
94     (i) SEQUENCE CHARACTERISTICS:
95         (A) LENGTH: 11 amino acids
96         (B) TYPE: amino acid

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97          (C) STRANDEDNESS: Not Relevant
98          (D) TOPOLOGY: linear
99      (ii) MOLECULE TYPE: protein
100     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
101     Asp Ala Tyr Ser Gly Gly Ser Val Ser Leu Tyr
102     1          5          10
104 (2) INFORMATION FOR SEQ ID NO: 7:
105     (i) SEQUENCE CHARACTERISTICS:
106         (A) LENGTH: 14 amino acids
107         (B) TYPE: amino acid
108         (C) STRANDEDNESS: Not Relevant
109         (D) TOPOLOGY: linear
110     (ii) MOLECULE TYPE: protein
111     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
112     Asp Ala Tyr Ser Gly Gly Ala Val Asn Leu Tyr His Val Arg
113     1          5          10
115 (2) INFORMATION FOR SEQ ID NO: 8:
116     (i) SEQUENCE CHARACTERISTICS:
117         (A) LENGTH: 14 amino acids
118         (B) TYPE: amino acid
119         (C) STRANDEDNESS: Not Relevant
120         (D) TOPOLOGY: linear
121     (ii) MOLECULE TYPE: protein
122     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
123     Asp Ser Tyr Ser Gly Gly Val Val Asn Met Tyr His Met Lys
124     1          5          10
126 (2) INFORMATION FOR SEQ ID NO: 9:
127     (i) SEQUENCE CHARACTERISTICS:
128         (A) LENGTH: 21 amino acids
129         (B) TYPE: amino acid
130         (C) STRANDEDNESS: Not Relevant
131         (D) TOPOLOGY: linear
132     (ii) MOLECULE TYPE: protein
133     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
134     Val Ile Glu Ile Asn Pro Tyr Leu Leu Gly Thr Met Ala Gly Gly Ala
135     1          5          10          15
136     Ala Asp Cys Ser Phe
137     20
139 (2) INFORMATION FOR SEQ ID NO: 10:
140     (i) SEQUENCE CHARACTERISTICS:
141         (A) LENGTH: 24 amino acids
142         (B) TYPE: amino acid
143         (C) STRANDEDNESS: Not Relevant
144         (D) TOPOLOGY: linear
145     (ii) MOLECULE TYPE: protein
146     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
147     Val Ile Glu Ile Asn Pro Tyr Leu Leu Gly Thr Leu Ala Gly Gly Ala
148     1          5          10          15
149     Ala Asp Cys Gln Phe Trp Glu Arg

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150                20
152 (2) INFORMATION FOR SEQ ID NO: 11:
153     (i) SEQUENCE CHARACTERISTICS:
154         (A) LENGTH: 25 amino acids
155         (B) TYPE: amino acid
156         (C) STRANDEDNESS: Not Relevant
157         (D) TOPOLOGY: linear
158     (ii) MOLECULE TYPE: protein
159     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
160     Val Ile Glu Ile Asn Pro Pro Tyr Leu Leu Gly Thr Met Ser Gly Cys
161         1             5             10             15
162     Ala Ala Asp Cys Gln Tyr Trp Glu Arg
163         20             25
165 (2) INFORMATION FOR SEQ ID NO: 12:
166     (i) SEQUENCE CHARACTERISTICS:
167         (A) LENGTH: 16 amino acids
168         (B) TYPE: amino acid
169         (C) STRANDEDNESS: Not Relevant
170         (D) TOPOLOGY: linear
171     (ii) MOLECULE TYPE: protein
172     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
173     Gly Tyr Ser Tyr Asp Leu Glu Val Glu Glu Ala Tyr Asp Leu Ala Arg
174         1             5             10             15
176 (2) INFORMATION FOR SEQ ID NO: 13:
177     (i) SEQUENCE CHARACTERISTICS:
178         (A) LENGTH: 15 amino acids
179         (B) TYPE: amino acid
180         (C) STRANDEDNESS: Not Relevant
181         (D) TOPOLOGY: linear
182     (ii) MOLECULE TYPE: protein
183     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
184     Gly Tyr Ser Asp Leu Glu Val Glu Gln Ala Tyr Asp Leu Ala Arg
185         1             5             10             15
187 (2) INFORMATION FOR SEQ ID NO: 14:
188     (i) SEQUENCE CHARACTERISTICS:
189         (A) LENGTH: 16 amino acids
190         (B) TYPE: amino acid
191         (C) STRANDEDNESS: Not Relevant
192         (D) TOPOLOGY: linear
193     (ii) MOLECULE TYPE: protein
194     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
195     Gly Tyr Arg Pro Asn Leu Ser Pro Glu Glu Ala Tyr Asp Leu Gly Arg
196         1             5             10             15
198 (2) INFORMATION FOR SEQ ID NO: 15:
199     (i) SEQUENCE CHARACTERISTICS:
200         (A) LENGTH: 19 amino acids
201         (B) TYPE: amino acid
202         (C) STRANDEDNESS: Not Relevant
203         (D) TOPOLOGY: linear

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204      (ii) MOLECULE TYPE: protein
205      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
206      Thr Thr Ile Ala Gly Val Val Tyr Lys Asp Gly Ile Val Leu Gly Ala
207      1          5          10          15
208      Asp Thr Arg
210 (2) INFORMATION FOR SEQ ID NO: 16:
211      (i) SEQUENCE CHARACTERISTICS:
212          (A) LENGTH: 19 amino acids
213          (B) TYPE: amino acid
214          (C) STRANDEDNESS: Not Relevant
215          (D) TOPOLOGY: linear
216      (ii) MOLECULE TYPE: protein
217      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
W--> 218      Xaa Xaa Ile Ala Gly Val Val Tyr Lys Asp Gly Ile Val Leu Gly Ala
219      1          5          10          15
220      Asp Thr Arg
222 (2) INFORMATION FOR SEQ ID NO: 17:
223      (i) SEQUENCE CHARACTERISTICS:
224          (A) LENGTH: 9 amino acids
225          (B) TYPE: amino acid
226          (C) STRANDEDNESS: Not Relevant
227          (D) TOPOLOGY: linear
228      (ii) MOLECULE TYPE: protein
229      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
230      Thr Thr Ile Ala Gly Val Val Tyr Lys
231      1          5

```

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 10/07/2005  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:16; Xaa Pos.1,2

**VERIFICATION SUMMARY**

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Input Set : N:\Crf3\RULE60\10706877.raw.txt

Output Set: N:\CRF4\10062005\J706877.raw

L:21 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:22 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:26 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1) (vii)  
L:28 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1) (vii)  
L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0